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ENVIRONMENT

Peter Ramanauskas
U.S. EPA Region 5
77 W. Jackson Blvd
Chicago, IL 60604

Subject:
GE Aviation – Altitude Test Facility
Data Summary of Eighth Air Sampling Event – April 2014

Date:
April 22, 2014

Dear Mr. Ramanauskas:

On April 1, 2014, GE Aviation, an operating division of the General Electric Company (GE), performed indoor air testing activities at the Altitude Test Facility (ATF) at GE's facility in Evendale, Ohio, in accordance with EPA's January 16, 2014 amendment to EPA's December 19, 2012 approval allowing GE to use the ATF for jet engine testing pursuant to 40 CFR § 761.62(c).

GE collected two indoor air samples during active jet engine testing at the ATF on April 1, 2014, and received the laboratory report containing the results on April 15, 2014. One sample was "Non-Detect" for PCBs, and the second sample had low, but detectable results for PCBs: 55.0 nanograms per cubic meter (ng/m^3), well below the NIOSH standard of 1,000 ng/m^3. (Note that Non-Detect denote that analytes were not detected at concentrations greater than the laboratory practical quantitation limit - PQL.) Further details for the sampling event follow in the report and Table 1.

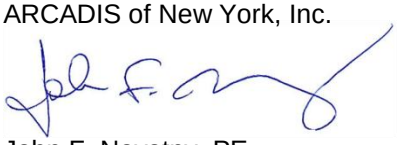
Air test sample ATF-AR-C43-05, located adjacent to the #43 Test Cell Chamber of the ATF and air test sample ATF-AR-CR2-08, located on the second floor of the compressor room, were both collected over an 8-hour interval. The samples were collected on April 1, 2014, during which there was active altitude engine testing. Both air pumps were placed in a manner such that the air sample would be collected from the breathing zone. The two air pumps used for this event were programmed for a flow rate of 5.0 L/minute for a total run time of eight hours. Calibration and preparation of air samples followed Method TO-10A: Compendium of Methods for Toxic Organic Air Pollution. During the sampling event, a total volume of 2,400 Liters

was pumped through each sample media. The laboratory analytical results of the sampling event are provided in the Data Summary Table, attached as Table 1 and the sampling locations are provided on the attached Figure 1. As indicated in the attachments, sample ATF-AR-C43-05 (collected adjacent to Test Cell #43) had "non-detect" levels of PCBs ng/m^3, and sample ATF-AR-CR2-08 (collected from the ATF compressor room) had detected PCBs of 55.0 ng/m^3. The PQL for these results was 41.7 ng/m^3 with a final extraction volume of 5.0 mL.

Please do not hesitate to contact John Rumpf, Counsel for Environmental Affairs at GE Aviation, at (513) 243-4256 or Christopher Bell at Greenberg Traurig LLP at (713) 374-3556 if you have any questions.

Sincerely,

ARCADIS of New York, Inc.



John F. Novotny, PE
Senior Engineer

Attachments
Table 1
Figure 1

Copies:
Susan Perdomo, USEPA
John Rumpf, GE
Christopher Bell, Greenberg Traurig, LLP

Table 1
Data Summary - PCB Air Monitoring - April 2014

GE - Aviation - Altitude Test Facility
Cincinnati, Ohio

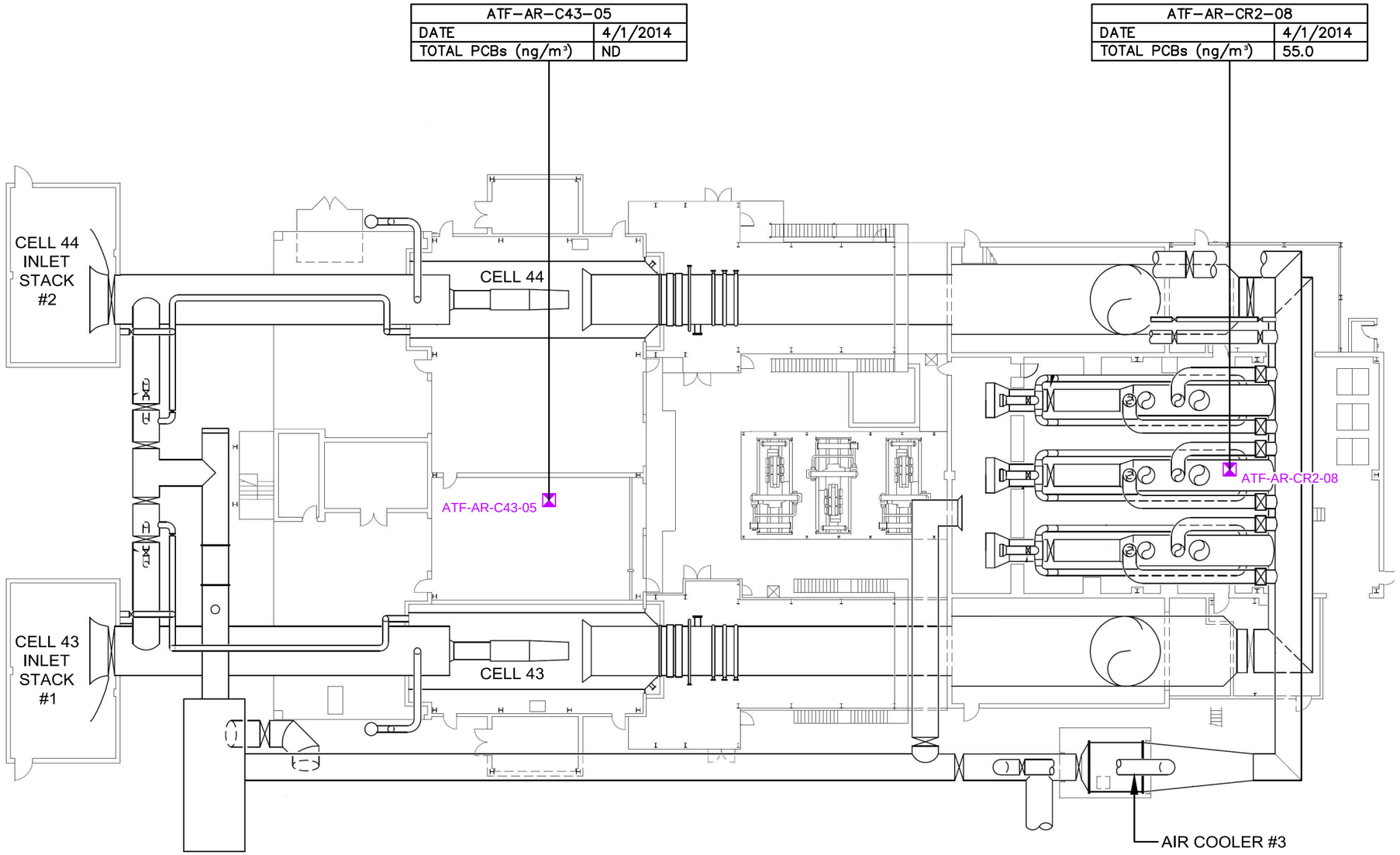
Sampling ID	Date Collected	Sample Type	Total PCBs (ng/m^3)	Location Description
Event 8				
ATF-AR-C43-05	4/1/2014	Air	ND	Test Cell 43 open floor area
ATF-AR-CR2-08	4/1/2014	Air	55.0	Second floor of ATF Compressor Room

Notes:

1. Samples collected by ARCADIS personnel and submitted to Pace Analytical Laboratory for analysis using USEPA Compendium Method TO-10A procedures.
2. Air pumps were set up at breathing zone height and operated over an 8-hour interval at an air intake rate of 5 L/min, resulting in 2,400 L pumped through each sample media.
3. Event 8 took place at the ATF on April 1, 2014.
4. Total PCBs - sum of aroclors 1016 through 1268.
5. The final injection volume of 5.0 mL was conducted by the laboratory.
6. ND (Non-Detect) - Denotes analyte not detected at a concentration greater than the PQL.
7. PQL (Practical Quantitation Limit) of 41.7 ng/m³ per aroclor. Denotes lowest analyte concentration reportable for

Abbreviations:

ATF - Altitude Test Facility
AR - PCB air sample
C43 - Test Cell #43
CR2 - compressor room-second floor
PCBs - polychlorinated biphenyls
ng/m^3 - nanograms per cubic meter



NOT TO SCALE

LEGEND:

- AMBIENT PCB AIR MONITORING LOCATION

SAMPLING NOMENCLATURE:

ATF – ALTITUDE TEST FACILITY

AR – PCB AIR SAMPLE

C43 – TEST CELL #43

CR2 – COMPRESSOR ROOM SECOND FLOOR

NOTES:

1. SAMPLING LOCATIONS ARE APPROXIMATE.
2. ng/m³ – NANOGRAMS PER CUBIC METER
3. TOTAL PCBs – THE SUM OF AROCLORS 1016 THROUGH 1268.

GE-AVIATION
CINCINNATI, OHIO
AIR TEST SUMMARY REPORT

DATA SUMMARY - PCB RESULTS AMBIENT PCB AIR MONITORING

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FIGURE 1